

IN THE CLAIMS

For the convenience of the Examiner, all pending claims of the present Application are shown below whether or not an amendment has been made.

1. (Currently Amended) A method for communicating navigation information, comprising:

receiving destination information from a user, the destination information comprising a desired destination of the user;

5 determining a first route to the destination;

communicating the first route to the user;

monitoring position information of a plurality of vehicles;

identifying an area causing traffic delay based on route discussions of the plurality of

vehicles using the position information of the plurality of vehicles;

10 determining a second route to the destination to avoid the area; and

communicating the second route to the user.

2. (Canceled)

3. (Canceled)

4. (Original) The method of Claim 1, wherein identifying an area causing traffic delay using the position information of the plurality of vehicles comprises identifying an area causing traffic delay based on speed of the plurality of vehicles.

5. (Original) The method of Claim 1, wherein the second route comprises a modification of the first route.

6. (Currently Amended) A method for communicating navigation information, comprising:

receiving destination information from a user, the destination information comprising a desired destination of the user;

5 determining a first route to the destination;

communicating the first route to the user;

monitoring position information of a plurality of vehicles;

identifying an area causing traffic delay using the position information of the plurality of vehicles;

10 determining a second route to the destination to avoid the area;

communicating the second route to the user;

~~The method of Claim 1, further comprising:~~

communicating to a number of users respective routes that include the area causing traffic delay; and

15 monitoring position information of the number of users to determine when traffic delay is reduced in the area.

7. (Currently Amended) A method for communicating navigation information, comprising:

receiving destination information from a user, the destination information comprising a desired destination of the user;

5 determining a first route to the destination;

communicating the first route to the user;

monitoring position information of a plurality of vehicles;

identifying an area causing traffic delay using the position information of the plurality of vehicles;

10 determining a second route to the destination to avoid the area;

communicating the second route to the user;

~~The method of Claim 1, further comprising:~~

monitoring position information of a second plurality of vehicles;

determining when the traffic delay is reduced in the area using the position information of

15 the second plurality of vehicles;

updating the second route to the destination to include the area; and

communicating the updated second route to the user.

8. (Currently Amended) A method for communicating navigation information, comprising:

receiving destination information from a user, the destination information comprising a desired destination of the user;

5 determining a first route to the destination;

communicating the first route to the user;

monitoring position information of a plurality of vehicles;

identifying an area causing traffic delay using the position information of the plurality of vehicles;

10 determining a second route to the destination to avoid the area;

communicating the second route to the user;

~~The method of Claim 1, further comprising:~~

receiving second destination information from a second user, the second destination information comprising a desired destination of the second user;

15 determining a third route to the second destination;

communicating the third route to the second user;

determining a fourth route to the second destination to avoid the area; and

prioritizing when to communicate the second route to the user or the fourth route to the second user based on respective positions of the user and the second user.

9. (Original) The method of Claim 1, wherein the area causing traffic delay comprises a construction area.

10. (Original) The method of Claim 1, wherein the area causing traffic delay comprises a traffic accident.

11. (Original) The method of Claim 1, wherein the area causing traffic delay comprises at least a temporary closure of at least a portion of a road.

12. (Original) The method of Claim 1, further comprising:
communicating parameters relating to the area causing traffic delay to a mobile
navigation system; and

wherein determining a second route to the destination comprises determining a second
5 route to the destination at the mobile navigation system.

13. (Currently Amended) A system for displaying navigation information, comprising:

a mobile navigation system comprising an interface operable to receive destination information from a user, the destination information comprising a desired destination of the user;

5 a central navigation server wirelessly coupled with the mobile navigation system, the central navigation server operable to determine a first route to the destination;

the interface further operable to communicate the first route to the user;

the central navigation server further operable to:

monitor position information of a plurality of vehicles;

10 identify an area causing traffic delay based on route diversions of the plurality of vehicles using the position information of the plurality of vehicles; and

determine a second route to the destination to avoid the area; and

the interface further operable to communicate the second route to the user.

14. (Canceled)

15. (Currently Amended) The system of Claim 13 14, wherein the central navigation server is operable to determine the second route when a threshold amount of route diversions of the plurality of vehicles are identified.

16. (Original) The system of Claim 13, wherein a central navigation server operable to identify an area causing traffic delay using the position information of the plurality of vehicles comprises a central navigation server operable to identify an area causing traffic delay based on speed of the plurality of vehicles.

17. (Original) The system of Claim 13, wherein the second route comprises a modification of the first route.

18. (Currently Amended) A system for displaying navigation information,
comprising:

a mobile navigation system comprising an interface operable to receive destination
information from a user, the destination information comprising a desired destination of the user;

5 a central navigation server wirelessly coupled with the mobile navigation system, the
central navigation server operable to determine a first route to the destination;

the interface further operable to communicate the first route to the user;

the central navigation server further operable to:

monitor position information of a plurality of vehicles;

10 identify an area causing traffic delay using the position information of the
plurality of vehicles; and

determine a second route to the destination to avoid the area;

the interface further operable to communicate the second route to the user;

~~The system of Claim 13, further comprising:~~

15 a plurality of additional mobile navigation systems each operable to communicate to a
number of users respective routes that include the area causing traffic delay; and

wherein the central navigation server is operable to monitor position information of the
number of users to determine when traffic delay is reduced in the area.

19. (Currently Amended) A system for displaying navigation information, comprising:

a mobile navigation system comprising an interface operable to receive destination information from a user, the destination information comprising a desired destination of the user;

5 a central navigation server wirelessly coupled with the mobile navigation system, the central navigation server operable to determine a first route to the destination;

the interface further operable to communicate the first route to the user;

the central navigation server further operable to:

monitor position information of a plurality of vehicles;

10 identify an area causing traffic delay using the position information of the plurality of vehicles; and

determine a second route to the destination to avoid the area;

the interface further operable to communicate the second route to the user;

~~The system of Claim 13, wherein the central navigation server is operable to:~~

15 ~~monitor position information of a second plurality of vehicles;~~

~~determine when the traffic delay is reduced in the area using the position information of the second plurality of vehicles;~~

~~update the second route to the destination to include the area; and~~

~~wherein the interface is operable to communicate the updated second route to the user.~~

20. (Currently Amended) A system for displaying navigation information,
comprising:

a mobile navigation system comprising an interface operable to receive destination
information from a user, the destination information comprising a desired destination of the user;

5 a central navigation server wirelessly coupled with the mobile navigation system, the
central navigation server operable to determine a first route to the destination;

the interface further operable to communicate the first route to the user;

the central navigation server further operable to:

monitor position information of a plurality of vehicles;

10 identify an area causing traffic delay using the position information of the
plurality of vehicles; and

determine a second route to the destination to avoid the area;

the interface further operable to communicate the second route to the user;

~~The system of Claim 13, further comprising:~~

15 a second mobile navigation system wirelessly coupled with the central navigation server,
the second mobile navigation system comprising a second interface operable to receive second
destination information from a second user, the second destination information comprising a
desired destination of the second user;

20 wherein the central navigation server is operable to determine a third route to the second
destination;

wherein the second interface is operable to communicate the third route to the second
user; and

wherein the central navigation server is operable to:

determine a fourth route to the second destination to avoid the area; and

25 prioritize when to communicate the second route to the user or the fourth route to
the second user based on respective positions of the user and the second user.

21. (Original) The system of Claim 13, wherein the area causing traffic delay
comprises a construction area.

22. (Original) The system of Claim 13, wherein the area causing traffic delay comprises a traffic accident.

23. (Original) The system of Claim 13, wherein the area causing traffic delay comprises at least a temporary closure of at least a portion of a road.

24. (Currently Amended) A method for communicating navigation information, comprising:

receiving destination information from a user, the destination information comprising a desired destination of the user;

5 monitoring position information of a plurality of vehicles;

identifying an area causing traffic delay based on route diversions of the plurality of vehicles using the position information of the plurality of vehicles;

determining a route to the destination to avoid the area; and

communicating the route to the user.

25. (Canceled)

26. (Currently Amended) The method of Claim 24 ~~25~~, wherein the route to the destination to avoid the area is determined when a threshold amount of route diversions of the plurality of vehicles are identified.

27. (Original) The method of Claim 24, wherein identifying an area causing traffic delay using the position information of the plurality of vehicles comprises identifying an area causing traffic delay based on speed of the plurality of vehicles.

28. (Currently Amended) A method for communicating navigation information, comprising:

receiving destination information from a user, the destination information comprising a desired destination of the user;

5 monitoring position information of a plurality of vehicles;

identifying an area causing traffic delay using the position information of the plurality of vehicles;

determining a route to the destination to avoid the area;

communicating the route to the user;

10 ~~The method of Claim 24, further comprising:~~

monitoring position information of a second plurality of vehicles;

determining when the traffic delay is reduced in the area using the position information of the second plurality of vehicles;

updating the route to the destination to include the area; and

15 communicating the updated route to the user.

29. (Original) The method of Claim 24, wherein the area causing traffic delay comprises a construction area.

30. (Original) The method of Claim 24, wherein the area causing traffic delay comprises a traffic accident.

31. (Original) The method of Claim 24, wherein the area causing traffic delay comprises at least a temporary closure of at least a portion of a road.

32. (Currently Amended) A system for communicating navigation information, comprising:

means for receiving destination information from a user, the destination information comprising a desired destination of the user;

5 means for determining a first route to the destination;

means for communicating the first route to the user;

means for monitoring position information of a plurality of vehicles;

means for identifying an area causing traffic delay based on route diversions of the plurality of vehicles using the position information of the plurality of vehicles;

10 means for determining a second route to the destination to avoid the area; and

means for communicating the second route to the user.

33. (Canceled)

34. (Currently Amended) The system of Claim 32 ~~33~~, wherein the second route is determined when a threshold amount of route diversions of the plurality of vehicles are identified.

35. (Original) The system of Claim 32, wherein means for identifying an area causing traffic delay using the position information of the plurality of vehicles comprises means for identifying an area causing traffic delay based on speed of the plurality of vehicles.

36. (Original) The system of Claim 32, wherein the second route comprises a modification of the first route.

37. (Currently Amended) A system for communicating navigation information, comprising:

means for receiving destination information from a user, the destination information comprising a desired destination of the user;

5 means for determining a first route to the destination;

means for communicating the first route to the user;

means for monitoring position information of a plurality of vehicles;

means for identifying an area causing traffic delay using the position information of the plurality of vehicles;

10 means for determining a second route to the destination to avoid the area;

means for communicating the second route to the user;

~~The system of Claim 32, further comprising:~~

means for communicating to a number of users respective routes that include the area causing traffic delay; and

15 means for monitoring position information of the number of users to determine when traffic delay is reduced in the area.

38. (Currently Amended) A system for communicating navigation information, comprising:

means for receiving destination information from a user, the destination information comprising a desired destination of the user;

5 means for determining a first route to the destination;

means for communicating the first route to the user;

means for monitoring position information of a plurality of vehicles;

means for identifying an area causing traffic delay using the position information of the plurality of vehicles;

10 means for determining a second route to the destination to avoid the area;

means for communicating the second route to the user;

~~The system of Claim 32, further comprising:~~

means for monitoring position information of a second plurality of vehicles;

means for determining when the traffic delay is reduced in the area using the position

15 information of the second plurality of vehicles;

means for updating the second route to the destination to include the area; and

means for communicating the updated second route to the user.

39. (Currently Amended) A system for communicating navigation information, comprising:

means for receiving destination information from a user, the destination information comprising a desired destination of the user;

5 means for determining a first route to the destination;

means for communicating the first route to the user;

means for monitoring position information of a plurality of vehicles;

means for identifying an area causing traffic delay using the position information of the plurality of vehicles;

10 means for determining a second route to the destination to avoid the area;

means for communicating the second route to the user;

~~The system of Claim 32, further comprising:~~

means for receiving second destination information from a second user, the second destination information comprising a desired destination of the second user;

15 means for determining a third route to the second destination;

means for communicating the third route to the second user;

means for determining a fourth route to the second destination to avoid the area; and

means for prioritizing when to communicate the second route to the user or the fourth route to the second user based on respective positions of the user and the second user.

40. (Original) The system of Claim 32, wherein the area causing traffic delay comprises a construction area.

41. (Original) The system of Claim 32, wherein the area causing traffic delay comprises a traffic accident.

42. (Original) The system of Claim 32, wherein the area causing traffic delay comprises at least a temporary closure of at least a portion of a road.

43. (Original) The system of Claim 32, further comprising:
means for communicating parameters relating to the area causing traffic delay to a mobile
navigation system; and

wherein means for determining a second route to the destination comprises means for
5 determining a second route to the destination at the mobile navigation system.

44. (Currently Amended) Software embodied in a computer readable medium, the computer readable medium comprising code operable to:

receive destination information from a user, the destination information comprising a desired destination of the user;

5 determine a first route to the destination;

communicate the first route to the user;

monitor position information of a plurality of vehicles;

identify an area causing traffic delay based on route diversions of the plurality of vehicles using the position information of the plurality of vehicles;

10 determine a second route to the destination to avoid the area; and

communicate the second route to the user.

45. (Canceled)

46. (Currently Amended) The medium of Claim 44 45, wherein the second route is determined when a threshold amount of route diversions of the plurality of vehicles are identified.

47. (Original) The medium of Claim 44, wherein code operable to identify an area causing traffic delay using the position information of the plurality of vehicles comprises code operable to identify an area causing traffic delay based on speed of the plurality of vehicles.

48. (Original) The medium of Claim 44, wherein the second route comprises a modification of the first route.

49. (Currently Amended) Software embodied in a computer readable medium, the computer readable medium comprising code operable to:

receive destination information from a user, the destination information comprising a desired destination of the user;

5 determine a first route to the destination;

communicate the first route to the user;

monitor position information of a plurality of vehicles;

identify an area causing traffic delay using the position information of the plurality of vehicles;

10 determine a second route to the destination to avoid the area;

communicate the second route to the user;

~~The medium of Claim 44, wherein the code is further operable to:~~

communicate to a number of users respective routes that include the area causing traffic delay; and

15 monitor position information of the number of users to determine when traffic delay is reduced in the area.

50. (Currently Amended) Software embodied in a computer readable medium, the computer readable medium comprising code operable to:

receive destination information from a user, the destination information comprising a desired destination of the user;

5 determine a first route to the destination;

communicate the first route to the user;

monitor position information of a plurality of vehicles;

identify an area causing traffic delay using the position information of the plurality of vehicles;

10 determine a second route to the destination to avoid the area;

communicate the second route to the user;

~~The medium of Claim 44, wherein the code is further operable to:~~

monitor position information of a second plurality of vehicles;

determine when the traffic delay is reduced in the area using the position information of

15 the second plurality of vehicles;

update the second route to the destination to include the area; and

communicate the updated second route to the user.

51. (Currently Amended) Software embodied in a computer readable medium, the computer readable medium comprising code operable to:

receive destination information from a user, the destination information comprising a desired destination of the user;

5 determine a first route to the destination;

communicate the first route to the user;

monitor position information of a plurality of vehicles;

identify an area causing traffic delay using the position information of the plurality of vehicles;

10 determine a second route to the destination to avoid the area;

communicate the second route to the user;

~~The medium of Claim 44, wherein the code is further operable to:~~

receive second destination information from a second user, the second destination information comprising a desired destination of the second user;

15 determine a third route to the second destination;

communicate the third route to the second user;

determine a fourth route to the second destination to avoid the area; and

prioritize when to communicate the second route to the user or the fourth route to the second user based on respective positions of the user and the second user.

52. (Original) The medium of Claim 44, wherein the area causing traffic delay comprises a construction area.

53. (Original) The medium of Claim 44, wherein the area causing traffic delay comprises a traffic accident.

54. (Original) The medium of Claim 44, wherein the area causing traffic delay comprises at least a temporary closure of at least a portion of a road.

55. (Original) The medium of Claim 44, wherein the code is further operable to:
communicate parameters relating to the area causing traffic delay to a mobile navigation
system; and

wherein code operable to determine a second route to the destination comprises code
5 operable to determine a second route to the destination at the mobile navigation system.

56. (Original) A method for communicating navigation information, comprising:
receiving destination information from a user, the destination information comprising a
desired destination of the user;
determining a first route to the destination;
5 communicating the first route to the user;
monitoring position information of a plurality of vehicles;
identifying an area causing traffic delay using the position information of the plurality of
vehicles based on route diversions of the plurality of vehicles;
determining a second route to the destination to avoid the area when a threshold amount
10 of route diversions of the plurality of vehicles are identified; and
communicating the second route to the user.

57. (Original) The method of Claim 56, further comprising:
monitoring position information of a second plurality of vehicles;
determining when the traffic delay is reduced in the area using the position information of
the second plurality of vehicles;
5 updating the second route to the destination to include the area; and
communicating the updated second route to the user.

58. (Original) The method of Claim 56, further comprising:
receiving second destination information from a second user, the second destination
information comprising a desired destination of the second user;
determining a third route to the second destination;
5 communicating the third route to the second user;
determining a fourth route to the second destination to avoid the area; and
prioritizing when to communicate the second route to the user or the fourth route to the
second user based on respective positions of the user and the second user.

59. (Currently Amended) A system for displaying navigation information, comprising:

a mobile navigation system comprising an interface operable to receive destination information from a user, the destination information comprising a desired destination of the user;

5 the mobile navigation system operable to determine a first route to the destination;

the interface further operable to communicate the first route to the user;

a central navigation server wirelessly coupled with the mobile navigation system, the central navigation server operable to:

monitor position information of a plurality of vehicles;

10 identify an area causing traffic delay based on route diversions of the plurality of vehicles using the position information of the plurality of vehicles; and

communicate to the mobile navigation system parameters relating to the area causing traffic delay;

15 the mobile navigation system operable to determine a second route to the destination to avoid the area based on the parameters; and

the interface further operable to communicate the second route to the user.

60. (Canceled)

61. (Currently Amended) The system of Claim 59 60, wherein the central navigation server is operable to communicate the parameters when a threshold amount of route diversions of the plurality of vehicles are identified.

62. (Original) The system of Claim 59, wherein a central navigation server operable to identify an area causing traffic delay using the position information of the plurality of vehicles comprises a central navigation server operable to identify an area causing traffic delay based on speed of the plurality of vehicles.

63. (Original) The system of Claim 59, wherein the second route comprises a modification of the first route.

64. (Currently Amended) A system for displaying navigation information, comprising:

a mobile navigation system comprising an interface operable to receive destination information from a user, the destination information comprising a desired destination of the user;

5 the mobile navigation system operable to determine a first route to the destination;

the interface further operable to communicate the first route to the user;

a central navigation server wirelessly coupled with the mobile navigation system, the central navigation server operable to:

monitor position information of a plurality of vehicles;

10 identify an area causing traffic delay using the position information of the plurality of vehicles; and

communicate to the mobile navigation system parameters relating to the area causing traffic delay;

15 the mobile navigation system operable to determine a second route to the destination to avoid the area based on the parameters;

the interface further operable to communicate the second route to the user;

~~The system of Claim 59, further comprising:~~

a plurality of additional mobile navigation systems each operable to communicate to a number of users respective routes that include the area causing traffic delay; and

20 wherein the central navigation server is operable to monitor position information of the number of users to determine when traffic delay is reduced in the area.

65. (Currently Amended) A system for displaying navigation information, comprising:

a mobile navigation system comprising an interface operable to receive destination information from a user, the destination information comprising a desired destination of the user;

5 the mobile navigation system operable to determine a first route to the destination;

the interface further operable to communicate the first route to the user;

a central navigation server wirelessly coupled with the mobile navigation system, the central navigation server operable to:

monitor position information of a plurality of vehicles;

- 10 identify an area causing traffic delay using the position information of the
plurality of vehicles; and
communicate to the mobile navigation system parameters relating to the area
causing traffic delay;
the mobile navigation system operable to determine a second route to the destination to
15 avoid the area based on the parameters;
the interface further operable to communicate the second route to the user;
~~The system of Claim 59, wherein:~~
the central navigation server is operable to:
monitor position information of a second plurality of vehicles;
20 determine when the traffic delay is reduced in the area using the position
information of the second plurality of vehicles; and
communicate to the mobile navigation system that traffic delay is reduced in the
area;
the mobile navigation system is further operable to update the second route to the
25 destination to include the area; and
the interface is operable to communicate the updated second route to the user.

66. (Original) The system of Claim 59, wherein the area causing traffic delay comprises a construction area.

67. (Original) The system of Claim 59, wherein the area causing traffic delay comprises a traffic accident.

68. (Original) The system of Claim 59, wherein the area causing traffic delay comprises at least a temporary closure of at least a portion of a road.

69. (Original) A method for communicating navigation information, comprising:
receiving destination information from a user, the destination information comprising a
desired destination of the user;

determining a first route to the destination;

5 communicating the first route to the user;

monitoring position information of a plurality of vehicles;

identifying an area improving traffic flow using the position information of the plurality
of vehicles;

determining a second route to the destination to include the area; and

10 communicating the second route to the user.

70. (Original) The method of Claim 69, wherein identifying an area improving traffic
flow using the position information of the plurality of vehicles comprises identifying an area
improving traffic flow based on route diversions of the plurality of vehicles.

71. (Original) The method of Claim 69, wherein the second route comprises a
modification of the first route.

72. (Original) The method of Claim 69, wherein the area improving traffic flow
comprises an opening of a roadway.